

Title (en)

Catalyst mixtures.

Title (de)

Katalysatorgemisch.

Title (fr)

Mélange catalytique.

Publication

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Application

EP 85201247 A 19850729

Priority

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Abstract (en)

The present invention is concerned with catalyst mixtures consisting of two catalysts, characterized in that one is capable of catalysing the conversion of a H₂/CO mixture into oxygen-containing organic compounds, and the other is a crystalline iron/boron silicate which, after one hour's calcination in air at 500 DEG C, has the following properties. a) an X-ray powder diffraction pattern in which the strongest lines are the four lines mentioned in Table A, and Table A d(ANGSTROM) 11.1 +/- 0.2 10.0 +/- 0.2 3.84 +/- 0.07 3.72 +/- 0.06 b) in the formula which represents the composition of the silicate, expressed in moles of the oxides, the SiO₂/Fe₂O₃ ratio is 20-2000, the SiO₂/B₂O₃ molar ratio 50-5000 and the Fe₂O₃/B₂O₃ molar ratio higher than 1.0. Said catalyst mixtures show higher aromatics selectivity in the preparation of hydrocarbon mixtures from H₂/CO mixtures than such a mixture comprising an iron silicate instead of the above iron/boron silicates.

IPC 1-7

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Citation (search report)

- [A] EP 0039964 A1 19811118 - SHELL INT RESEARCH [NL]
- [A] FR 2360531 A1 19780303 - ISRAEL STATE [IL]
- [A] NL 7811861 A 19800609 - SHELL INT RESEARCH

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